

City of St. Charles
Municipal Electric Utility

10/22/2014

LOCATION NAME:	North 12th Street - Sub2	City Hall -Sub 3		Prairie Street - Sub 6
ADDRESS:	630 North 12th Street	300 North 1st Avenue		1405 Prairie Street
STATION TRANSFORMER:	2T1	3T1	3T3	6T2
MANUFACTURER	RTE / ASEA	RTE / ASEA	ASEA	RTE / ASEA
YEAR OF MANUFACTURE	1983	1983	1985	1981
SERIAL NO.	RA720812	A6689	A0051X	A6211
COOLING TYPE	Forced Air	Forced Air	Forced Air	Forced Air
TRANSFORMER TYPE	Sealed	Sealed	Sealed	Sealed
PHASE	Three	Three	Three	Three
PRIMARY VOLTAGE (kV)	34.5	34.4	34.4	34.4
PRIMARY WINDING	Delta	Delta	Delta	Delta
SECONDARY VOLTAGE (kV)	12.47/7.2	12.47/7.7	12.47/7.2	12.47/7.2
SECONDARY WINDING	WYE	WYE	WYE	WYE
PRIMARY BILL (kV)	200	200	200	200
SECONDARY BILL (kV)	110	110	110	110
SECONDAY NEUTRAL BILL (kV)	110	110	110	110
IMPEDENCE (%)	6.38	6.6	6.51	6.84
MVA RATING @ 55°C	10/12.5	15/20/25	15/20/25	10/12.5
MVA RATING @ 65°C	11.2/14.4	16.8/22.4/28	16.8/22.4/28	11.2/14
CLASS	OA/FA	OA/FA/FA	OA/FA/FA	OA/FA
TEMPURATURE RISE (°C/°C)	55/65	55/65	55/65	55/65
LTC LOAD TAPS - WDG & RANGE	LV 32 x 0.625%	LV 32 x 0.625%	LV 32 x 0.625%	LV 32 x 0.625%
LOAD TAPCHANGER SWITCH	UZDRT	UZDRT	UZDRT	UZDRT
CORE AND COIL (lbs)	2800	5600	44900	33600
TANK & FITTINGS (lbs)	14800	28500	27400	21900
RADIATORS (lbs)		6900	9200	6000
TYPE OF COOLANT	Oil	Oil	Oil	Mineral Oil
OIL MAIN TANK (gals)	2462	4170	3395	3220
OIL LTC (gals)	111	100	100	100
OIL RADIATORS (gals)		325	570	350
TOTAL OIL (gals)	2573	4595	4065	3670
TOTAL WEIGHT (lbs)	62090	119000	102800	83100